

Proposal # 2001- <u>I204</u> (Office Use Only)
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**PSP Cover Sheet** (Attach to the front of each proposal)

Proposal Title: Watershed Education Project  
 Applicant Name: Chico Unified School District  
 Contact Name: Ann Stephens  
 Mailing Address: 2253 Humboldt Road  
 Telephone: 530-895-4115  
 Fax: 530-895-4111  
 Email: annstephe@cuso.chico.k12.ca.us

Amount of funding requested: \$ 100,865

Some entities charge different costs dependent on the source of the funds. If it is different for state or federal funds list below.

State cost \_\_\_\_\_

Federal cost \_\_\_\_\_

**Cost share partners?**

☒ Yes

☐ No

Identify partners and amount contributed by each

\$8,000, Requested \$10,000 from Sacramento River Program, EPA, for other training

**Indicate the Topic for which you are applying (check only one box).**

- |  |  |
|--|--|
| <input type="checkbox"/> Natural Flow Regimes                | <input type="checkbox"/> Beyond the Riparian Corridor                |
| <input type="checkbox"/> Nonnative Invasive Species          | <input type="checkbox"/> Local Watershed Stewardship                 |
| <input type="checkbox"/> Channel Dynamics/Sediment Transport | <input checked="" type="checkbox"/> Environmental Education          |
| <input type="checkbox"/> Flood Management                    | <input type="checkbox"/> Special Status Species Surveys and Studies  |
| <input type="checkbox"/> Shallow Water Tidal/ Marsh Habitat  | <input type="checkbox"/> Fishery Monitoring, Assessment and Research |
| <input type="checkbox"/> Contaminants                        | <input type="checkbox"/> Fish Screens                                |

What county or counties is the project located in? Butte

What CALFED ecozone is the project located in? See attached list and indicate number. Be as specific as possible Butte basin

Indicate the type of applicant (check only one box):

- |   |   |
|---|---|
| <input type="checkbox"/> State agency                         | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture      | <input type="checkbox"/> Non-profit     |
| <input checked="" type="checkbox"/> Local government/district | <input type="checkbox"/> Tribes         |
| <input type="checkbox"/> University                           | <input type="checkbox"/> Private party  |
| <input type="checkbox"/> Other: _____                         |   |

**Indicate the primary species which the proposal addresses (check all that apply):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input checked="" type="checkbox"/> Spring-run chinook salmon |
| <input checked="" type="checkbox"/> Winter-run chinook salmon   | <input checked="" type="checkbox"/> Fall-run chinook salmon   |
| <input checked="" type="checkbox"/> Late-fall run chinook salmon  | <input type="checkbox"/> Longfin smelt                        |
| <input type="checkbox"/> Delta smelt  | <input checked="" type="checkbox"/> Steelhead trout           |
| <input type="checkbox"/> Splittail  | <input type="checkbox"/> Stripedbass                          |
| <input type="checkbox"/> Green sturgeon   | <input checked="" type="checkbox"/> All chinook species       |
| <input type="checkbox"/> White Sturgeon,  | <input checked="" type="checkbox"/> All anadromous salmonids  |
| <input checked="" type="checkbox"/> Waterfowl and Shorebirds  | <input type="checkbox"/> American shad'                       |
| <input checked="" type="checkbox"/> Migratory birds   |   |
| <input type="checkbox"/> Other listed T/E species: _____  |   |

**Indicate the type of project (check only one box):**

- |  |   |
|--|---|
| <input type="checkbox"/> Research/Monitoring       | <input type="checkbox"/> Watershed Planning   |
| <input type="checkbox"/> Pilot/Demo Project        | <input checked="" type="checkbox"/> Education |
| <input type="checkbox"/> Full-scale Implementation |   |

Is this a next-phase of an ongoing project?

Yes ☒

No ☐

Have you received funding from CALFED before?

Yes ☒

No ☒

If yes, list project title and CALFED number Butte Creek Watershed Education Proj

Have you received funding from CVPIA before?

Yes ☒

No ☐

If yes, list CVPIA program providing funding, project title and CVPIA number (if applicable):

Butte Creek Watershed Education Project

By signing below, the applicant declares the following:

- The truthfulness of all representations in their proposal;
- The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Anne K. Stephens

Printed name of applicant

Anne K. Stephens  
Signature of applicant

# Watershed Education Project

## *Applicant:*

Chico Unified School District  
1163 East 7<sup>th</sup> Street  
Chico CA 95928

## *Participants and Collaborators:*

California Regional Environmental Education Community Network  
Streaminders  
Butte County Office of Education  
Glenn County Office of Education  
Colusa High Environmental Academy  
Adopt-A-Watershed  
Sacramento River Discovery Center  
Friends of Butte Creek  
Placer County Outdoor Science Program  
Big Chico Creek Watershed Alliance

## *Applicant Information:*

certified nonprofit organization  
exempt tax status  
Federal ID#: 94-1591650

## **Technical contact person:**

Anne Stephens, Education Coordinator  
[anstephe@cUSD.chico.k12.ca.us](mailto:anstephe@cUSD.chico.k12.ca.us)  
530-895-4111

## EXECUTIVE SUMMARY

### Project title/applicant name

Watershed Education Project, Chico Unified School District, Anne Stephens, Education Coordinator, 530-895-4115 530-895-4111 Fax, Marsh Junior High School, 22.53 Humboldt Road, Chico CA 95928, [anstephe@cusd.chico.k12.ca.us](mailto:anstephe@cusd.chico.k12.ca.us)

**Project Description:** The Watershed Education Project (WEP) is a cooperative effort supported by funding from the U.S. Fish and Wildlife Service (FWS), CALFED, EPA 319h and the National Fish and Wildlife Foundation, administered by the Chico Unified School District (CUSD). An education coordinator and a core group of 16 teachers in the Chico, Paradise and Durham School Districts oversee the implementation of watershed education within their respective districts and organize community events and restoration activities on parcels of land in the Butte Creek Watershed. In the two years of its existence, WEP has provided training for 75 teachers from 4 school districts and 15 schools in Butte County.

**Approach/Tasks/Schedules:** The approach is to continue the successful efforts of the current program, expand coordinator functions to other school districts, provide continued training in appropriate curriculum and field study protocols, continue and expand restoration activities and enhance linkages with watershed education efforts in the region. The tasks are to: 1) Continue the efforts of the education coordinator; 2) Establish positions in other districts; 3) Provide a set of Adopt-A-Watershed classroom kits; 4) Provide additional training in Project WET; 5) Maintain existing and expand new restoration areas and field study opportunities for students; 6) Enhance linkages with other educational programs; 7) Support a portion of an Americorp team to work in the classrooms and in the field; 8) Project management. The schedule is for the project to begin in Fall 2000 and continue through August of 2002. Coordinators would be funded for the 2000-2002 school years in Chico and 2001-2002 in the other districts.

**Justification for Projects and Funding by CALFED:** Anthropogenic disturbance of the primary habitats of the priority species identified by CALFED is a great concern. Recognizing the responsibility to use resources wisely is important to change perceptions and fuel the enthusiasm to restore and enhance them. Changing public attitudes by developing and expanding a comprehensive K-12 public education program that is integrated with the local conservation groups and agencies promoting the efforts is critical to the long term success of CALFED and other programs. This project will further the efforts funded by EPA and FWS to provide a balance between humans and the priority habitats and species of CALFED.

**Local Support/Coordination/Compatibility with CALFED Objectives :** Beneficiaries would include a broad spectrum of the general public as children and their parents learn more about the concerns for protecting the watershed resources. Education will be the sustainable legacy of CALFED. Local support and coordination has been solicited from Butte and Glenn County Offices of Education, Streaminders, Americorp, Sacramento River Discovery Center, Adopt-A-Watershed, Colusa High Environmental Academy, Friends of Butte Creek, Big Chico Creek Watershed Alliance, and Little Chico Creek Watershed Group. The project is consistent with CALFED Environmental Education objectives to increase public understanding and awareness of the resource issues that led to the development of the CALFED Bay-Delta program and foster participation in conservation programs and the wise use of natural resources. Support for Rapid Bioassessment training and water quality monitoring is being funded separately.

## PROJECT DESCRIPTION

### Statement of the Problem

**Problem:** Butte Creek, Big and Little Chico Creeks, tributaries to the Sacramento River, flows from their headwaters in the Lassen National Forest, through Sierra foothills to the Central Valley. Much of the streams in this Central Valley reaches has is heavily urbanized or with levees with adjacent intensive agricultural development. These creeks are among the most important streams remaining in California for the conservation of spring-run Chinook salmon and steelhead with historic salmon populations recorded at over 22,000 adults. This Butte Creek population was one of California's largest spring run, Sacramento River being the largest with nearly a million fish. Over the last 30 years, with the exception of 1995 and 1998, the population has ranged from around fifty to just over a thousand. The decline of these populations (see chart) reflect the effects of stressors such as urbanization, hydromodification, loss of the stream's deep cool pools, shaded riverine habitat, excess sediment transport, agricultural runoff and other physical, chemical and biological changes. Similar declines in population have occurred for other species of concern to CALFED due to similar stressors.

**Conceptual Model:** Education is the key to raising the level of awareness of these important resource issues and the stressors on the ecosystem. This is especially true when parent volunteers are encouraged to participate in the program. This project will increase public awareness, knowledge and appreciation of natural resources and ecosystem restoration activities, foster active participation in conservation programs, or encourage individuals to wisely use natural resources. This project will focus on the goals of the overall CALFED program and the Strategic Plan Goals of this Ecosystem Restoration Program solicitation.

**Hypotheses:** Once awareness is achieved the next level is action. Students spend more time playing and exploring in creeks than most adults. Students who visit a site on a daily or weekly basis over a period of years will have an understanding of long term trends if given a basic foundation in science concepts. Most schools in our region are within walking distance of a creek or stream which facilitates field study and restoration work. By engaging thousands of additional students in restoration projects such as tree planting and erosion control we can enhance stream habitat in a much more timely manner.

**Educational Objective:** The educational objective is to develop a sustainable program that is integrated throughout the k-12 curriculums, that meets state standards, and will empower school kids and their parents to take actions to protect, restore and enhance critical ecosystems.

## PROPOSED SCOPE OF WORK

### Location And Geographic Boundaries

The proposed project is located in the Butte Basin of the Sacramento River watershed.

### Approach

The Watershed Education Project (WEP) has provided coordination and training for the development and implementation of watershed curriculum to teachers primarily in the Chico, Durham and Paradise School Districts. The program, with initial funding from the U.S. Fish and Wildlife Service (FWS), CALFED and the National Fish and Wildlife Foundation (NFWF), established a core group of teachers who reviewed curriculum and developed a strategy to provide training and materials to a broader group of K-12 educators. With subsequent funding

from EPA 319h, the program began the implementation of curriculum, establishment of a resource library, development of audio-visual materials, training for appropriate curriculum, and field studies that include restoration work on several sites on Butte Creek. More than forty teachers have received training this year in Adopt-A-Watershed (AAW) and twenty four in Project Wet. In 1998, more than a dozen teachers completed three-day courses in Rapid Bioassessment of aquatic macroinvertebrates. In the two years of its existence, WEP has provided training for 75 teachers from 4 school districts and 25 schools in Butte County.

WEP has carefully structured the program to address the four components of comprehensive watershed education. They include: 1) the introduction of grade-level appropriate, standards based science concepts; 2) long-term field study; 3) restoration activities; and 4) community service action. An education coordinator was chosen who is a secondary science teacher, a member of the Chico Unified Science Task Force and a staff developer for the California Science Project. The coordinator has been funded to coordinate the project two days a week for the 1998-1999 school year.

Important linkages have been established with other watershed focused education projects throughout the region. The Sacramento River Discovery Center (SRDC) has coordinated several of the initial AAW training for WEP and provided several teachers with specific programs including guided raft trips on the river to visit farms, forest, natural and rip-rapped section of river banks. In addition, the project has developed a strong relationship with the Izaak Walton League local group, "Streaminders". They have been involved in education and restoration projects in the Chico area since 1980. They will provide some technical support for the restoration activities with the education project. Americorp has provided three stipend education program members to provide services in the classroom and in the field. Another important partners is the Chico Unified School District "Learn and Serve" program which has provided matching funds for teacher training, field activities and community educational events. Butte County Office of Education has offered support for expanding the program to other school districts and housing classroom kits at the Instructional Resource Center. Interest in coordinating with Glenn County and Colusa High Environmental Education Academy has been developed. The Butte County Fish and Game Commission is providing \$1000 in materials to raise native riparian plants for the restoration projects and the Red Bluff Department of Water Resources office has agreed to provide quality assurance assistance for the water quality monitoring program.

The approach of this project is to continue the successful efforts of the core teachers and the education coordinator, expand the coordinator functions to other school districts, provide continued training in appropriate curriculum and field study protocols, continue and expand restoration activities and enhance linkages with watershed education efforts in the region. AAW is applying for a CALFED grant to conduct a Leadership Institute in the Sacramento Valley with support for four or five teams from the Butte, Glenn, and Sutter County area. Five teams would participate from the Tehama County region. This will provide an opportunity for local leaders to meet, work together and further coordinate educational activities throughout the region.

The specific activities and elements to be funded by this grant would be to supplement the personnel services, operating expenses and professional and consultant services of the WEP. The project tasks are to:

- 1) continue the efforts 'of the education coordinator;
- 2) establish positions in other districts;
- 3) provide a complete set of Adopt-A-Watershed classroom kits to the Butte County Instructional Resource Center;
- 4) provide additional training in Project WET;
- 5) maintain existing and expand new restoration areas and field study opportunities for students,
- 6) enhance linkages with Glenn County, Sacramento River Discovery Center, Colusa High Environmental Education Academy, and Placer County Outdoor Science Program;
- 7) Support a portion of an Americorp education and restoration team to work in the classrooms and in the field;
- 8) Project management.

The specific deliverables are by task: 1&2) Education coordinators annual report; 3) Instructional Resource Center classroom kits checkout records; 4) Training summaries and certificates; 5) Photo monitoring of restoration and field study activities; 6) Regional Watershed Workshop and Watershed Education Committee reports; 7) Americorp annual reports; 8) Quarterly and final reports. The project has been ongoing and will proceed in a single continuous phase. The schedule is for the project to begin in Fall 2000 and continue through August of 2002. Coordinators would be funded for the 2000-2002 school years in Chico and other districts in the 2001-2002 school year. Educational coordinators will be responsible for developing curriculum and audio-visual materials. Staff, student assistants, volunteers and consultants would contribute to the acquisition of information, increasing public involvement and developing the vision for the WEP. Americorp will provide classroom and field support for all of the activities.

### **Monitoring, Assessment and Data Collection and Storage**

**Table 2**

Bio/Ecological Objectives			
Hypothesis	Monitoring parameter	Data Evaluation Approach	Comments/Data Priority
Macroinvertebrate assist in determining water quality	Following Rapid Bioassessment protocols, insects will be collected using a D-net	Insects will be sorted to the order level and an EPT index will be used to establish water quality.	DWR representative Jerry Boles will evaluate collection and analysis techniques.
Amphibian/ Butterfly/ Bird Surveys bi-annually	Adopt-A-Watershed field study protocols will be followed	WEP and CUSD staff	
Plant transect inventory (once in spring)	Adopt-A-Watershed field study protocols will be followed	WEP and CUSD staff	

9 chemical water quality tests (quarterly) plant succession study (once per year)	Field Manual for water quality monitoring handbook protocols	WEP and CUSD staff	
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Please note that the data collected is for educational purposes and is not yet intended to be submitted **for use** by state or federal agencies.

#### Expected Products/outcomes

The expected outcome of this project is a better educated populace that understands the little things we can all do to protect, restore and enhance ecosystems.

#### Work Schedule

The education coordinators will work throughout the project to develop the program in their respective districts. The Chico Coordinator is funded for 2 years and the other district coordinators for 1 year. Follow-up AAW workshops will occur in the spring of 2001. Project Wet will occur in spring and fall of 2001. Restoration projects, field studies and coordination with other education projects (AAW, SRDC, Glenn and Colusa schools) will occur throughout the project. Rapid bioassessment training and water quality training, funded by other grants, will occur in the fall of 2000 and spring of 2001.

#### Feasibility

The WEP has been developing for two years in the local school districts of the Butte Creek Watershed. Linkages with other local programs throughout the region has allowed for the program to develop in Butte County consistent with State Standards for science education.

### APPLICABILITY TO CALFED ERP GOALS

#### ERP Goals and CVPIA Priorities

This project targets ERP goals and CVPIA priorities of providing environmental education that will help to change the way people view the environment. This change in vision will help to achieve many goals and priorities such as clean water, restored endangered species and their habitats, by reducing many human caused stressors.

Relation to other projects: Several projects on Butte Creek are planned which in combination with increased riverine edge habitat created by this project will greatly change the creek's and the fishery's condition. The Butte Creek Watershed Conservancy and CSU Chico are completing an Existing Conditions Report and creating a Watershed Management Strategy. The Nature Conservancy, Northern California Water Association and California Waterfowl Association are working on improvements in the Butte Sink, on the Butte and Sacramento Sloughs at the junction of Butte Creek and the Sacramento River and improvements to several dams are likely. This project helps to link those projects to improve conditions for anadromous fish recovery the full length of Butte Creek. CSU Chico, DFG and the Parks and Preserves Foundation are working on a joint restoration project. The Center for Natural Lands Management is restoring a 56 acre project on Butte Creek in Durham. Both of these organizations support and encourage this proposed project to educate students on the protection of habitats and the dependent species,



the wise use of natural resources and monitoring restoration efforts on Butte Creek.

#### **Requests for Next-Phase funding**

This project, although an outgrowth of a previously funded project is essentially evolving into a new project focused on all the creeks and watersheds and all schools in the area. The summary of the project to date is included in the project description narrative.

#### **Previous Recipients**

The Butte Creek Watershed Education Project, funded through California State University, Chico, is finishing its previous funding and will serve as the foundation for this **new** enhancement of the Watershed Education Project to serve all local schools and watersheds.

#### **System-Wide Ecosystem Benefits**

An educated populace is the best way to achieve a sustainable paradigm shift that will protect, restore and enhance, our endangered species and their habitats.

#### **QUALIFICATIONS**

##### **Project Personnel:**

**Director:** **Allen Harthorn, MS**, has completed degrees in Geography, BA, Agriculture, BS and MS, and has a Agricultural specialist credential, as well as credential certifications in Life Sciences, Social Sciences, Art and Multiple Subjects. He has many years of experience managing training projects for CSU Chico. He is ~~an~~ avid fisherman and his personal involvement with and love for the Butte Creek Watershed led him to start ~~the~~ Butte Creek Watershed Conservancy. Mr. Harthorn was personally responsible for obtaining the initial FWS, CALFED and NFWF grants to develop a Management Strategy for the Butte Creek Watershed and ~~the~~ For the Sake of Salmon grant to hire a watershed coordinator. With the watershed project team, he has written proposals and received funding for two research projects, one restoration project, one four-partner acquisition and restoration of a 93 acres parcel on Butte Creek, and the Watershed Education Project. **He** is currently contracted as the Education Coordinator for the Sacramento River Watershed Program. As **Project Manager**, Mr. Harthorn will continue his coordination and public outreach efforts, as well **as** continuing to develop his extensive and exhaustive list of educational, professional, agency and **personal** contacts for the watershed education project.

**Education Coordinator: Anne Kinney Stephens** received a BS in Biological Sciences from the University of California Davis with an emphasis in botany. She worked at the U.C. Davis Arboretum, co-producing the 1986 international seed exchange catalog, propagating native plants and accessioning records. Anne worked for four years teaching outdoor education with Exploring New Horizon's Environmental Education Project in Loma Mar, California and also acting as a school district liaison for the program. She has been a secondary science teacher since 1987 and staff developer for the California Science project since 1996. She has been coordinating the Watershed Education Project since its inception in 1996, is a member of the Science Task Force for Chico Unified School District and has been trained **as** an Adopt-A-Watershed facilitator.

**COST Budget**  
**Table 3**

Task	Direct Labor Hours	Direct Salary, Benefits	Service Contracts	Material, Acquisition Costs	Miscellaneous, other Direct Costs	Indirect	Total costs
Task 1	100	\$20,500	\$1,659		\$2,000	\$1,203	\$25,362
Task 2	100		\$22,500		\$2,000	\$1,220	\$25,720
Task 3	50		\$830	\$13,000	\$400	\$709	\$14,939
Task 4	150		\$2,489		\$900	\$169	\$3,558
Task 5	300		\$6,977	\$2,000	\$900	\$492	\$10,369
Task 6	200		\$3,318		\$900	\$210	\$4,428
Task 7	200		\$11,318		\$900	\$608	\$12,826
Task 8	150		\$2,489		\$1,000	\$174	\$3,663
Total	1250	\$20,500	\$51,580	\$15,000	\$9,000	\$4,785	\$100,865

**Table 4 Quarterly Budget**

Task	10-12 2000	1-3 2001	4-6 2001	7-9 2001	10-12 2001	2002	4-6 2002	7-9 2002	Total
Task 1	\$3,094	\$3,094	\$3,094	\$3,094	\$3,245	\$3,245	\$3,245	\$3,250	\$25,362
Task 2	\$532	\$532	\$532	\$2,969	\$5,407	\$5,407	\$5,407	\$4,934	\$25,720
Task 3	\$13,500							\$1,439	\$14,939
Task 4					\$1,190	\$1,190	\$1,178		\$3,558
Task 5	\$1,000	\$1,000	\$2,000	\$2,000	\$2,000	\$1,000	\$1,000	\$364	\$10,369
Task 6	\$554	\$554	\$554	\$554	\$554	\$554	\$551	\$550	\$4,428
Task 7	\$3,300	\$3,300	\$3,300	\$2,926					\$12,826
Task 8	\$458	\$458	\$458	\$458	\$458	\$458	\$458	\$450	\$3,663
Total	\$22,447	\$8,937	\$9,941	\$12,007	\$12,863	\$11,853	\$11,843	\$10,994	\$100,865

## **COST SHARING**

Tremendous amounts of volunteer time using volunteer parent drivers for restoration and field study trips reduces cost to the program and provides an opportunity to share the program with adults. Americorp is providing a significant portion of the costs for an education team and a restoration team to assist in classroom and outdoor activities in the Butte County area. Student interns from CSU Chico will also provide in-kind services to assist in the project. Learn and Serve will provide additional support for training and Butte County Office of Education will provide support for loan

of AAW materials through the Instructional Resource Center. Adopt-A-Watershed will provide the bulk of the cost for the AAW training through a CALFED grant currently being submitted. A grant has been funded by EPA 319(h) to provide additional training and experience for students, teachers, and parents, in Rapid Bioassessment.. Another request support for training and experience based learning coordinated with Department of Water Resources staff in water quality is pending.

#### **Local Involvement**

The Butte County Office of Education (BCOE) has enthusiastically supported this opportunity to implement a high-quality, standards-based science curriculum in its schools. BCOE will host Adopt-A-Watershed training for the WEP and offer its Instructional Resource Center as a repository for field study kits and curriculum. Materials will then be conveniently available to Butte County teachers through the inter-district loan program.

Streaminders Environmental Education Program has been working with local school children since 1980 providing the "Salmon in the Classroom" program and creek ecology/restoration field trips. They will continue to work with the WEP facilitating the restoration component of watershed education. The Chico Unified School District's Learn and Serve Program (funded by CALSERVE) has been a partner with the WEP since its inception in 1996. The long-term field study, restoration, and community action components of watershed education offer a perfect avenue to carry out service learning objectives. The Learn and Serve office has provided funding for teacher release time for teachers to attend Adopt-A-Watershed and Project WET training and to take their classes on field trips. It has also provided funding to purchase tools and equipment for propagating riparian plants to be used in revegetation projects. In return the WEP has coordinated opportunities for teachers interested in service learning.

The California Science Project of Inland Northern California provides professional development in science to teachers in the nine northeastern counties of Siskiyou, Modoc, Trinity, Shasta, Lassen, Tehama, Plumas, Glenn and Butte. The content focus for the next three years is water and watershed studies. This focus was selected for many reasons: because it encompasses all of the sciences, it addresses issues of real life importance for this region, it can utilize the many waterways of Northern California as living laboratories, it provides for long-term field study, problem-based and service learning. Another important consideration was the availability of quality curricula and the support offered by organizations such as the WEP.

Local Watershed Groups such as the Little Chico Creek Work Group and the Big Chico Creek Watershed Alliance along with the Friends of Butte Creek focus on the area served by Chico Unified School District. These groups are united in supporting the Education Project.

#### **XI. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS**

Chico Unified School District will comply with standard terms and conditions associated with CALFED grant award.

All applicants must fill out this Environmental Compliance Checklist. Applications must contain answers to the following questions to be responsive and to be considered for funding. ***Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.***

- NO

- Lead Agency

- Activities in the field will be for educational purposes and will be part of locally approved plans.

4. **If CEQA/NEPA compliance is required, describe how the project will comply with either or both of these laws. Describe where the project is in the compliance process and the expected date of completion.**

- NO

Specific restoration & monitoring sites have not been identified.

## Land Use Checklist

All applicants must fill out this Land Use Checklist for their proposal. Applications must contain answers to the following questions to be responsive and to be considered for funding. Failure to answer these questions and include them with the application will result in the application being considered nonresponsive and not considered for funding.

1. Do the actions in the proposal involve physical changes to the land (i.e. grading, planting vegetation, or breaching levees) or restrictions in land use (i.e. conservation easement or placement of land in a wildlife refuge)?

✓  
YES

          
NO

2. If NO to # 1, explain what type of actions are involved in the proposal (i.e., research only, planning only).

3. If YES to # 1, what is the proposed land use change or restriction under the proposal?

Vegetation planting will be for educational purposes according to approved restoration plans.

4. If YES to # 1, is the land currently under a Williamson Act contract?

          
YES

✓  
NO

5. If YES to # 1, answer the following:

Current land use

Current zoning

Current general plan designation

sites not identified

6. If YES to #1, is the land classified as Prime Farmland, Farmland of Statewide Importance or Unique Farmland on the Department of Conservation Important Farmland Maps?

          
YES

          
NO

✓  
DON'T KNOW

7. If YES to # 1, how many acres of land will be subject to physical change or land use restrictions under the proposal?

51 acre

8. If YES to # 1, is the property currently being commercially farmed or grazed?

          
YES

✓  
NO

9. If YES to #8, what are

the number of employees/acre                 

the total number of employees

## NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Plan. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

## CERTIFICATION

*I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California*

Gloria Bevers

OFFICIAL'S NAME

5/13/00

DATE EXECUTED

Gloria Bevers

EXECUTED IN THE COUNTY OF

Butte

PROSPECTIVE CONTRACTOR'S SIGNATURE

Gloria Bevers

PROSPECTIVE CONTRACTOR'S TITLE

Chico Unified School District

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

**STANDARD CLAUSES -  
SERVICE & CONSULTANT SERVICE CONTRACTS FOR \$5,000 & OVER WITH NONPUBLIC ENTITIES**

**Workers' Compensation Clause.** Contractor affirms that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor affirms that it will comply with such provisions before commencing the performance of the work under this contract.

**National Labor Relations Board Clause.** In accordance with Public Contract Code Section 10296, Contractor declares under penalty of perjury that no more than one final, unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of Contractor's failure to comply with an order of a federal court which orders Contractor to comply with an order of the national Labor Relations Board.

**Nondiscrimination Clause.** During the performance of this contract, the recipient, Contractor and its subcontractors shall not deny the contract's benefits to any person on the basis of religion, color, ethnic group identification, sex, age, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, marital status, age (over 40), or sex. Contractor shall insure that the evaluation and treatment of employees and applicants for employment are free of such discrimination. Contractor shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.), the regulations promulgated thereunder (California Administrative Code, Title 2, Sections 7283.0 et seq.), the provisions of Article 9.3, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Government Code Sections 11133 - 11137.5), and the regulations or standards adopted by the awarding State agency to implement such article. Contractor or recipient shall permit access by representatives of the Department of Fair Employment and Housing and the awarding State agency upon reasonable notice at any time during the normal business hours, but in no case less than 24 hours' notice, to such of its books, records, accounts, other sources of information and its facilities as said Department or Agency shall require to ascertain compliance with this clause. Recipient, Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. The Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

**Statement of Compliance.** The Contractor's signature affixed hereon and dated shall constitute a certification under penalty of perjury under the laws of the State of California that the Contractor has, unless exempted, complied with the nondiscrimination program requirements of Government Code Section 12900 and Title 2, California Code of Regulations, Section 8103.

**Performance Evaluation.** For consulting service agreements, Contractor's performance under this contract will be evaluated after completion. A negative evaluation will be filed with the Department of General Services.

**Availability of Funds.** Work to be performed under this contract is subject to availability of funds through the State's normal budget process.

**Audit Clause.** For contracts in excess of \$10,000, the contracting parties shall be subject to the examination and audit of the State Auditor for a period of three years after final payment under the contract. (Government Code Section 8546.7).

**Payment Retention Clause.** Ten percent of any progress payments that may be provided for under this contract shall be withheld per Public Contract Code Sections 10346 and 10379 pending satisfactory completion of all services under the contract.

**Reimbursement Clause.** If applicable, travel and per diem expenses to be reimbursed under this contract shall be at the same rates the State provides for unrepresented employees in accordance with the provisions of Title 2, Chapter 3, of the California Code of Regulations. Contractor's designated headquarters for the purpose of computing such expenses shall be: Chicago, CA

**Disabled Veteran Business Enterprise Participation Requirement Audit Clause.** Contractor or vendor agrees that the awarding department or its delegates will have the right to review, obtain, and copy all records pertaining to performance of the contract. Contractor or vendor agrees to provide the awarding department or its delegate access to its premises, upon reasonable notice, during normal business hours for the purpose of interviewing employees and inspecting and copying such books, records, accounts, and other material that may be relevant to a matter under investigation for the purpose of determining compliance with Public Contract Code Section 10115 et seq. Contractor or vendor further agrees to maintain such records for a period of three (3) years after final payment under the contract. Title 2 CCR Section 1896.75.

**Priority Hiring Considerations.** For contracts in excess of \$200,000, the Contractor shall give priority consideration in filling vacancies in positions funded by the contract to qualified recipients of aid under Welfare and Institutions Code Section 11200. (Public Contract Code Section 10353).

Agreement No. \_\_\_\_\_

Exhibit \_\_\_\_\_

**ADDITIONAL STANDARD CLAUSES**

Recycled Materials. Contractor hereby certifies under penalty of perjury that \_\_\_\_\_ (enter value or "0" here) percent of the materials, goods and supplies offered or products used in the performance of this Agreement meets or exceeds the minimum percentage of recycled material as defined in Sections 12161 and, 12200 of the Public Contract Code.

Severability. If any provision of this Agreement is held invalid or unenforceable by any court of final jurisdiction, it is the intent of the parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the parties.

Governing Law. This Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.

Y2K Language. The Contractor warrants and represents that the goods or services sold, leased, or licensed to the State of California, its agencies, or its political subdivisions, pursuant to this Agreement are "Year 2000 compliant." For purposes of this Agreement a good or service is Year 2000 compliant if it will continue to fully function before, at, and after the Year 2000 without interruption and, if applicable, with full ability to accurately and unambiguously process, display, compare, calculate, manipulate, and otherwise utilize date information. This warranty and representation supersedes all warranty disclaimers and limitations and all limitations on liability provided by or through the Contractor.

Child Support Compliance Act. For any Agreement in excess of \$100,000, the Contractor acknowledges in accordance therewith, that:

1. The Contractor recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Chapter 8 (commencing with Section 5200) of Part 5 of Division 9 of the Family Code; and
2. The Contractor, to the best of its knowledge, is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.



**STANDARD CLAUSES -  
CONTRACTS WITH PUBLIC ENTITIES**

**Workers' Compensation Clause.** Contractor affirms that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor affirms that it will comply with such provisions before commencing the performance of the work under this contract.

**Nondiscrimination Clause.** During the performance of this contract, the recipient, Contractor and its subcontractors shall not deny the contract's benefits to any person on the basis of religion, color, ethnic group identification, sex, age, physical or mental disability, nor shall they discriminate unlawfully against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, mental disability, medical condition, marital status, age (over 40), or sex. Contractor shall insure that the evaluation and treatment of employees and applicants for employment are free of such discrimination. Contractor shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.), the regulations promulgated thereunder (California Administrative Code, Title 2, Sections 7283.0 et seq.), the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Government Code Sections 11135 - 11139.5), and the regulations or standards adopted by the awarding State agency to implement such article. Contractor or recipient shall permit access by representatives of the Department of Fair Employment and Housing and the awarding State agency upon reasonable notice at any time during the normal business hours, but in no case less than 24 hours' notice, to such of its books, records, accounts, other sources of information and its facilities as said Department or Agency shall require to ascertain compliance with this clause. Recipient, Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. The Contractor shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

**Availability of Funds.** Work to be performed under this contract is subject to availability of funds through the State's normal budget process.

**Audit Clause.** For contracts in excess of \$10,000, the contracting parties shall be subject to the examination and audit of the State Auditor for a period of three years after final payment under the contract. (Government Code Section 8546.7).

**Payment Retention Clause.** Ten percent of any progress payments that may be provided for under this contract shall be withheld per Public Contract Code Sections 10346 and 10379 pending satisfactory completion of all services under the contract.

**Reimbursement Clause.** If applicable, travel and per diem expenses to be reimbursed under this contract shall be at the same rates the State provides for unrepresented employees in accordance with the provisions of Title 2, Chapter 3, of the California Code of Regulations. Contractor's designated headquarters for the purpose of computing such expenses shall be: Chicago, CA 95928

**Drug-Free Workplace Certification.** By signing this contract, the Contractor or grantee hereby certifies under penalty of perjury under the laws of the State of California that the Contractor or grantee will comply with the requirements of the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) and will provide a drug-free workplace by taking the following actions:

1. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.
2. Establish a Drug-Free Awareness Program to inform employees about all of the following:
  - (a) The dangers of drug abuse in the workplace.
  - (b) The person's or organization's policy of maintaining a drug-free workplace.
  - (c) Any available counseling, rehabilitation and employee assistance programs, and
  - (d) Penalties that may be imposed upon employees for drug abuse violations.
3. Every employee who works on the proposed contract or grant:
  - (a) Will receive a copy of the company's drug-free policy statement, and
  - (b) Will agree to abide by terms of the company's statement as a condition of employment on the contract or grant.

This contract or grant may be subject to suspension of payments or termination, or both, and the Contractor or grantee may be subject to debarment if the department determines that: (1) the Contractor or grantee has made a false certification, or (2) the Contractor or grantee violates the certification by failing to carry out the requirements noted above.

**Americans With Disabilities Act.** By signing this contract, Contractor assures the State that it complies with the Americans With Disabilities Act (ADA) of 1990. (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.

**Former State Employees:** a) For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. b) For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.

# APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-1

		2. DATE SUBMITTED <b>5-15-00</b>	Applicant Identifier
1. TYPE OF SUBMISSION <input type="checkbox"/> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE	State Application Identifier
<input type="checkbox"/> Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier

  

5. APPLICANT INFORMATION	
Legal Name: <b>Chico Unified School District</b>	Organizational Unit: <b>Watershed Education Project</b>
Address (give city, county, State, and zip code):  	
Name and telephone number of person to be contacted on matters involving this application (give area code):  	

  

6. EMPLOYER IDENTIFICATION NUMBER (EIN): <b>94-1591650</b>	7. TYPE OF APPLICANT: (enter appropriate letter in box) <div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> <input type="checkbox"/> A. State  <input type="checkbox"/> B. County  <input type="checkbox"/> C. Municipal  <input type="checkbox"/> D. Township  <input type="checkbox"/> E. Interstate  <input type="checkbox"/> F. Intermunicipal  <input type="checkbox"/> G. Special District         </div> <div style="width:45%;"> <input type="checkbox"/> H. Independent School Dist.  <input type="checkbox"/> I. State Controlled Institution of Higher Learning  <input type="checkbox"/> J. Private University  <input type="checkbox"/> K. Indian Tribe  <input type="checkbox"/> L. Individual  <input type="checkbox"/> M. Profit Organization  <input type="checkbox"/> N. Other (Specify) _____         </div> </div>
8. TYPE OF APPLICATION <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> New         <input checked="" type="checkbox"/> Continuation         <input type="checkbox"/> Revision       </div> If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> <div style="display: flex; justify-content: space-between;"> <div style="width:30%;"> <input type="checkbox"/> A. Increase Award  <input type="checkbox"/> D. Decrease Duration       </div> <div style="width:30%;"> <input type="checkbox"/> B. Decrease Award  <input type="checkbox"/> Other (specify): _____       </div> <div style="width:30%;"> <input type="checkbox"/> C. Increase Duration       </div> </div>	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER: <div style="display: flex; justify-content: center; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">XX</div> <div style="border: 1px solid black; padding: 2px;">XX</div> <div style="border: 1px solid black; padding: 2px;">XX</div> <div style="border: 1px solid black; padding: 2px;">XX</div> </div>	
12. AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc.): <b>Chico, Paradise, Durham; Butte County</b>	
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT: <b>Watershed Education Project for K-12 schools.</b>	

  

13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF:	
Start date	Ending date	a. Applicant	b. Project
<b>1/01</b>	<b>12/02</b>	<b>2nd</b>	<b>2nd</b>

  

15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
a. Federal	\$	00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON DATE _____  b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372 <input checked="" type="checkbox"/> PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW
b. Applicant	\$	100,262.00	
c. State	\$	00	
d. Local	\$	m	
e. Other	\$	m	
f. Program Income	\$	00	
g. TOTAL	\$	100,262.00	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?
			<input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No

  

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.		
a. Type Name of Authorized Representative	b. Title	c. Telephone Number
<b>Director of Special Projects</b>	<b>Gloria Bevers</b>	<b>891-3001</b>
d. Signature of Authorized Representative	e. Date Signed	
<b>Gloria Bevers</b>	<b>5/13/00</b>	

# BUDGET INFORMATION - Non-Construction Programs

OMB Approval No. 0348-0044

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. CALPED		\$	\$	\$	\$	\$ 53,333
2.						
3.						
4.						
5. Totals		\$	\$	\$	\$	\$ 53,333 (1st year)

## SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$ 15,000	\$	\$	\$	\$
b. Fringe Benefits	5,500				
c. Travel	4,500				
d. Equipment	15,000				
e. Supplies	4,500				
f. Contractual	51,580				
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	96,080				
j. Indirect Charges	4,785				
k. TOTALS (sum of 6i and 6j)	\$ 100,865	\$	\$	\$	\$ 100,865
7. Program Income	\$	\$	\$	\$	\$

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Standard Form 424A (Rev. 7-97)

Prescribed by OMB Circular A-102

Previous Edition Usable

Anne Stephens, Education Coordinator  
Watershed Education Project  
Marsh Junior High School  
2253 Humboldt Road  
Chico Ca 95928

May 15,2000

Butte County Board of Supervisors  
25 County Center Drive  
Oroville CA 95965

Dear Supervisors,

This letter is to inform you of the submission of the proposal for funding for the Watershed Education Project through the Chico Unified School District. This project has been developed by teachers for the local schools to encourage the use of local watersheds as a basis for science education. This project allows students and teachers to get out in the field and learn about the important elements of our watersheds and how they can be used for science education. Teachers, parents, and students all will have a chance to participate in learning what we can all do to protect, restore and enhance our watersheds for future generations.

If you have any questions, feel free to contact me at 895-4115.

Thank you,

A handwritten signature in dark ink that reads "Anne K. Stephens". The signature is written in a cursive style with a large, looped initial "A".

Anne Stephens, Education Coordinator